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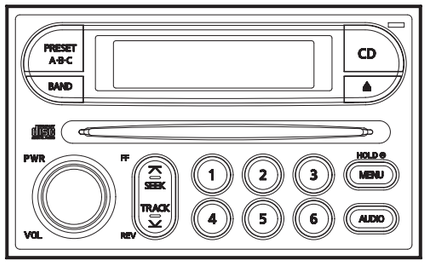
Published by Service Dept.
298-6244-00 Mar.2005
Printed in Japan

Service Manual



NISSAN MOTOR Genuine
AM/FM Radio CD Player

Model PP-2449V-H

(Genuine No. 28185 EA021)
(ID No. CY14B)

ORIGINAL SERVICE MANUAL

This additional service manual is designed to be used together with Original model.

Original model	Manual No.
PP-2449V-B	298-6104-01

DIFFERENCE FROM ORIGINAL MODEL

1. Exploded view/parts list
   Main section
   CD mechanism section
2. The parts of equalizer in circuit diagram of Main PWB section

NOTES

* We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.
* Specifications and design are subject to change without notice for further improvement.

COMPONENT

1. Main unit ---------- 1

DIFFERENCE EXPLODED VIEW / PARTS LIST

Main section

(Refer to page 5 of the original service manual.)

The following parts are difference parts.

NO.	PART NO.	DESCRIPTION	Q'TY
1	940-7962-94	ESCUTCHEON-ASSY	1
18	286-6126-74	SETPLATE	1
20	379-1333-30	INDICATOR(LCD)	1
26	017-0433-95	PILOTLAMP(14V40mA)	5
27	017-0447-86	PILOTLAMP(8V105mA)	2

CD mechanism section 929-0220-86

(Refer to page 7 of the original service manual.)

The following parts are difference parts.

NO.	PART NO.	DESCRIPTION	Q'TY
1	966-0595-26	DRIVE PLATE ASSY	1
14	966-1722-20	SH-RACK ASSY	1
18	621-1716-20	RACK	1
23	621-1731-20	IDLE CASE	1
39	621-1726-20	ROLLER SLEEVE	2
45	621-1729-20	SH-BASE	1

To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1. Use specified parts.
   The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.
   The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.
2. Place the parts and wiring back in their original positions after replacement or re-wiring.
   For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.
   If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.
3. Check for safety after repair.
   Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary ploblems around the repaired spots.
   If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
4. Caution in removal and making wiring connection to the parts for the automobile.
   Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
5. Cautions regarding chips.
   Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.
6. Cautions in handling flexible PWB
   Before working with a soldering iron, make sure that the iron tip temperature is around 270℃. Take care not to apply the iron tip repeatedly(more than three times)to the same patterns. Also take care not to apply the tip with force.
7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.
8. Cautions in checking that the optical pickup lights up.
   The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.
9. Cautions in handling the optical pickup
   The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

9-1. Laser diode
   The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

9-2. Actuator
   The actuator has a powerful magnetic circuit. If a magnetic material is put close to it. Its characteristics will change. Ensure that no foreign substances enter through the ventilation slots in the cover.

9-3. Cleaning the lens
   Dust on the optical lens affects performance. To clean the lens, apply a small amount of isopropyl alcohol to lens paper and wipe the lens gently.

DIFFERENCE ELECTRICAL PARTS LIST

Main PWB(B1) section

(Refer to page 8,9 of the original service manual.)

The following parts are difference parts.

REF No.	PART No.	DESCRIPTION
C117	043-0277-51	0.022uF
C501	----------	Not used
C503	----------	Not used
C507	----------	Not used
C510	----------	Not used
C511	----------	Not used
C514	----------	Not used
C517	178-6822-78	6800pF
C518	178-4722-78	4700pF
C519	178-1232-78	0.012uF
C520	178-5622-78	5600pF
C525	178-1232-78	0.012uF
C526	178-5622-78	5600pF
C527	178-6822-78	6800pF
C528	178-4722-78	4700pF
C529	178-1242-78	0.12uF
C530	178-1242-78	0.12uF
C531	178-1042-78	0.1uF
C532	178-1042-78	0.1uF
C533	178-5632-78	0.056uF
C534	178-5632-78	0.056uF
C535	178-8232-78	0.082uF
C536	178-8232-78	0.082uF
C545	178-4732-78	0.047uF

REF No.	PART No.	DESCRIPTION
C546	178-4732-78	0.047uF
C547	178-1242-78	0.12uF
C548	178-1242-78	0.12uF
C551	043-0309-92	10V 0.68uF
C552	043-0309-92	10V 0.68uF
C553	178-1042-78	0.1uF
C554	178-1042-78	0.1uF
C555	178-6832-78	0.068uF
C556	178-6832-78	0.068uF
C557	178-1042-78	0.1uF
C558	178-6832-78	0.068uF
C563	178-1042-78	0.1uF
C564	178-6832-78	0.068uF
C570	178-2242-78	0.22uF
C571	178-2242-78	0.22uF
R211	----------	Not used
R213 (Added part)	119-1031-15	1/10W 10k ohm
R509	----------	Not used
R511	----------	Not used
R517	----------	Not used
R518	----------	Not used
R519	----------	Not used
R520	----------	Not used

REF No.	PART No.	DESCRIPTION
R534 (Added part)	119-4721-15	1/10W 4.7k ohm
R535	119-2721-15	1/10W 2.7k ohm
R536	----------	Not used
R545	119-2721-15	1/10W 2.7k ohm
R546	----------	Not used
R548 (Added part)	119-4721-15	1/10W 4.7k ohm
R549	119-8211-15	1/10W 820 ohm
R550	119-8211-15	1/10W 820 ohm
R551	119-3321-15	1/10W 3.3k ohm
R552	119-3321-15	1/10W 3.3k ohm
R569	119-2721-15	1/10W 2.7k ohm
R570	119-2721-15	1/10W 2.7k ohm
R571	119-8211-15	1/10W 820 ohm
R572	119-8211-15	1/10W 820 ohm
R573	119-6831-15	1/10W 68k ohm
R574	119-6831-15	1/10W 68k ohm
R575	119-4721-15	1/10W 4.7k ohm
R586	119-4721-15	1/10W 4.7k ohm
R588	119-6831-15	1/10W 68k ohm
R589	119-6831-15	1/10W 68k ohm
R597	119-1831-15	1/10W 18k ohm
R598	119-1831-15	1/10W 18k ohm

Switch PWB(B2) section

(Refer to page 9 of the original service manual.)

The following part is the difference part.

REF No.	PART No.	DESCRIPTION
LCD1	379-1333-30	LCD
PL901	017-0447-86	8V105mA
PL902	017-0447-86	8V105mA

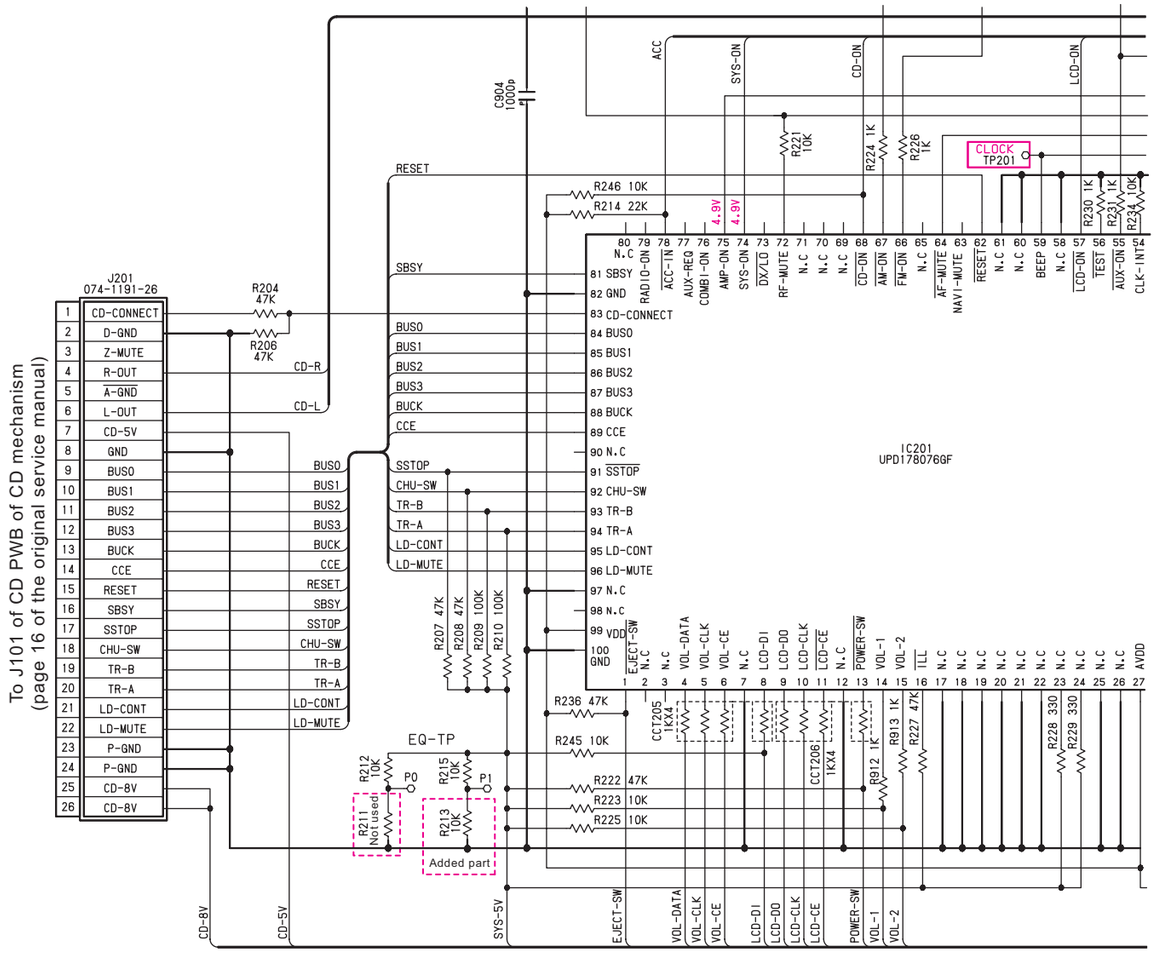
REF No.	PART No.	DESCRIPTION
PL903	017-0433-95	14V40mA
PL904	017-0433-95	14V40mA
PL905	017-0433-95	14V40mA

REF No.	PART No.	DESCRIPTION
PL906	017-0433-95	14V40mA
PL907	017-0433-95	14V40mA

DIFFERENCE CIRCUIT DIAGRAM

Main PWB(B1) section 1/2

(Refer to page 12 of the original service manual.)



Main PWB(B1) section 2/2

(Refer to page 13 of the original service manual.)

: Difference parts with original model

A	FRONT LEFT SP (+)
B	FRONT RIGHT SP (+)
C	ILLUMINATION
D	ACC
E	FRONT LEFT SP (−)
F	FRONT RIGHT SP (−)
G	ANT SIGNAL
H	BACK UP
I	ILLUMI CONTROL
J	GND
K	NC
L	REAR RIGHT SP (+)
M	GND
N	REAR LEFT SP (−)
O	REAR LEFT SP (+)
P	REAR RIGHT SP (−)

To 1/2 (page 12 of the original service manual)

To J901 of Switch PWB (page 11 of the original service manual)

DIFFERENCE PRINTED WIRING BOARD

Main PWB(B1) section : COMPONENT SIDE

(Refer to page 14 of the original service manual.)

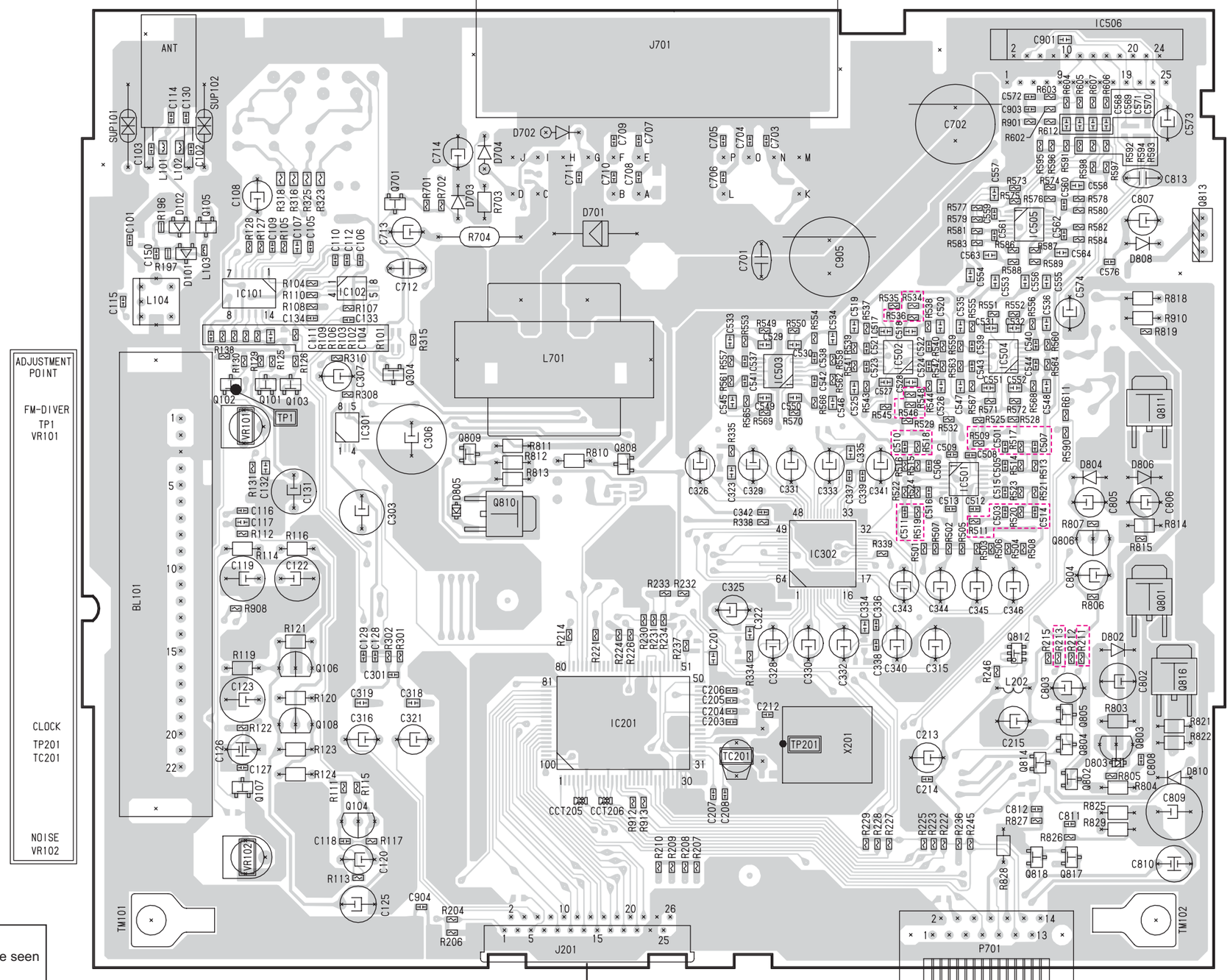
: Difference parts with original model

REF No.	PART No.	DESCRIPTION
C501	----------	Not used
C503	----------	Not used
C507	----------	Not used
C510	----------	Not used
C511	----------	Not used
C514	----------	Not used
R211	----------	Not used
R213 (Added part)	119-1031-15	1/10W 10k ohm
R509	----------	Not used
R511	----------	Not used
R517	----------	Not used
R518	----------	Not used
R519	----------	Not used
R520	----------	Not used
R534 (Added part)	119-4721-15	1/10W 4.7k ohm
R536	----------	Not used
R546	----------	Not used
R548 (Added part)	119-4721-15	1/10W 4.7k ohm

COMPONENT SIDE

A	FRONT LEFT SP (+)
B	FRONT RIGHT SP (+)
C	ILLUMINATION
D	ACC
E	FRONT LEFT SP (−)
F	FRONT RIGHT SP (−)
G	ANT SIGNAL
H	BACK UP

I	ILLUMI CONTROL
J	GND
K	NC
L	REAR RIGHT SP (+)
M	GND
N	REAR LEFT SP (−)
O	REAR LEFT SP (+)
P	REAR RIGHT SP (−)



IC	Q
IC506	
	Q701
IC505	Q105
	Q813
IC101 IC102	
IC502 IC504 IC503	Q304 Q102 Q101 Q103
	Q811
IC301	
	Q809 Q808
IC501	
	Q810
	Q806
IC302	
	Q801
	Q812 Q106 Q816
IC201	Q805 Q108
	Q804 Q803
	Q814
	Q802 Q107
	Q104
	Q818 Q817

Caution:
COMPONENT SIDE: Parts on the component side seen from the component side are indicated.

To J101 of CD PWB of CD mechanism (page 16 of the original service manual)

To J901 of Switch PWB (page 11 of the original service manual)